

## **ABSTRACT**

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The study was conducted at the Poultry Project of Capiz State University, Buriyas Campus from October 2 to November 6, 2016. The study aimed to find out the effect of substituting part of the commercial ration with different levels of mani-mani leaf meal on the performance of arbor acre in terms of feed consumption, gain in weight, feed conversion ratio, and Return on Investment. The substitution levels were 20%, 25% and 30% mani-mani leaf meal. Each of these treatments was replicated three times and was arranged in a Completely Randomized Design (CRD).

Gathering of data started when the birds were 15 days old, until 35 days of age. The collected data were analyzed through the Analysis of Variance using F-test and were interpreted at 5% level of significance.

The feed consumption and feed conversion ratio of the birds were affected by the substitution of mani-mani leaf meal in the ration up to 30%. On the other hand, the weight of the birds was not significantly affected by the substitution of different levels of mani-mani leaf meal.

Substituting mani-mani leaf meal at 20%, 25% and 30% on the feeds gave a higher return on investment compared to pure commercial feeds.